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## 5 <u>ABSTRACT</u>

Apparatuses, systems and methods for monitoring and/or controlling treatment of aqueous systems including water cooling systems are provided. The present invention includes a self-contained treatment unit for controllably bleeding water from an aqueous system and delivering treatment agents, such as inhibitor agents and/or anti-biofouling agents, to treat conditions, such as scale, corrosion, biofouling or the like within the aqueous system.